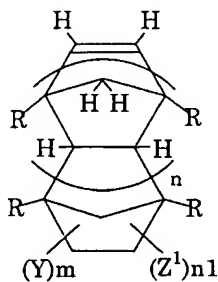


AMENDMENTS TO THE CLAIMS

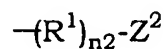
This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

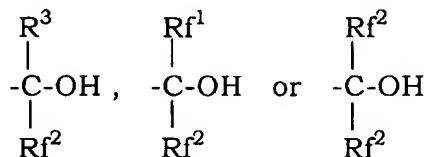
1. (canceled).
2. (original): A process for preparing a fluorine-containing norbornene derivative having a fluorine-containing tertiary alcohol structure which is represented by the formula (4):



wherein Z¹ is the same or different and each is:

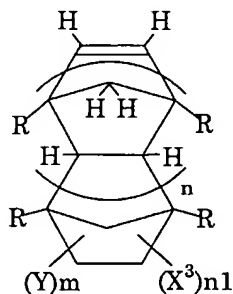


in which Z² is:

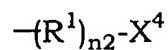


wherein Rf¹ is a fluorine-containing alkyl group having 1 to 10 carbon atoms or a fluorine-containing alkyl group which has 1 to 10 carbon atoms and ether bond, Rf² is a fluorine-

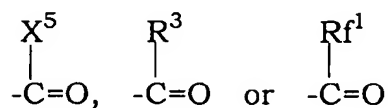
containing alkyl group having 1 to 10 carbon atoms or a fluorine-containing alkyl group which has 1 to 10 carbon atoms and ether bond, R^3 is H or a hydrocarbon group having 1 to 10 carbon atoms, R^1 is a divalent organic group, n_2 is 0 or 1; Y is the same or different and each is H, F, Cl, an alkyl group having 1 to 10 carbon atoms or a fluorine-containing alkyl group which has 1 to 10 carbon atoms and may have ether bond; R is the same or different and each is H or an alkyl group having 1 to 10 carbon atoms; n is 0 or an integer of from 1 to 5; m is an integer of from 1 to 5; n_1 is an integer of from 1 to 5; $m + n_1 = 6$, said process being characterized by reacting a norbornene derivative represented by the formula (3):



wherein X^3 is the same or different and each is:



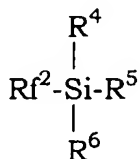
in which X^4 is $-\text{COOR}^2$,



wherein R^2 is an alkyl group having 1 to 5 carbon atoms, X^5 is halogen atom; R^3 , Rf^1 , R^1 , Y , R , m , n , $n1$ and $n2$ are as defined above, with a fluoroalkylation agent which introduces Rf^2 to X^4 .

3. (canceled).

4. (original): The preparation process of Claim 2, wherein the fluoroalkylation agent is a fluorosilane compound represented by:



wherein Rf^2 is a fluorine-containing alkyl group having 1 to 10 carbon atoms or a fluorine-containing alkyl group which has 1 to 10 carbon atoms and ether bond; R^4 , R^5 and R^6 are the same or different and each is a hydrocarbon group having 1 to 10 carbon atoms.

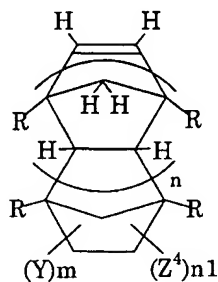
5. (canceled).

6. (canceled).

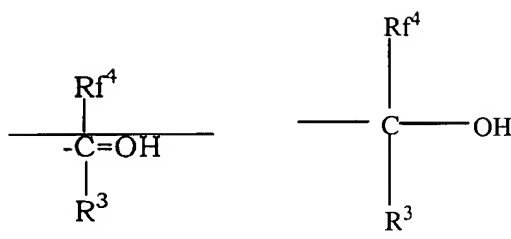
7. (canceled).

8. (canceled).

9. (currently amended): A norbornene derivative having a fluorine-containing alcohol structure represented by the formula (8):

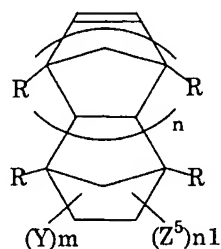


wherein Z^4 is the same or different and each is:

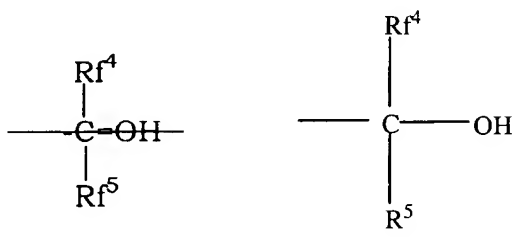


in which Rf^4 is the same or different and each is a fluorine-containing alkyl group having 1 to 10 carbon atoms or a fluorine-containing alkyl group which has 1 to 10 carbon atoms and ether bond, R^3 is H or a hydrocarbon group having 1 to 10 carbon atoms; Y is the same or different and each is H, F, Cl, an alkyl group having 1 to 10 carbon atoms or a fluorine-containing alkyl group which has 1 to 10 carbon atoms and may have ether bond; R is the same or different and each is H or an alkyl group having 1 to 10 carbon atoms; n is 0 or an integer of from 1 to 5; m is an integer of from 1 to 5; $n1$ is an integer of from 1 to 5; $m + n1 = 6$.

10. (currently amended): A norbornene derivative having a fluorine-containing alcohol structure represented by the formula (9):

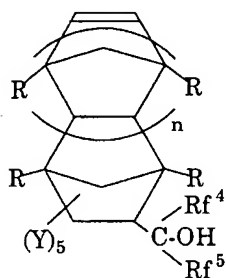


wherein Z^5 is the same or different and each is:



in which Rf^4 and Rf^5 are the same or different and each is a fluorine-containing alkyl group having 1 to 10 carbon atoms or a fluorine-containing alkyl group which has 1 to 10 carbon atoms and ether bond; Y is the same or different and each is H, F, Cl, an alkyl group having 1 to 10 carbon atoms or a fluorine-containing alkyl group which has 1 to 10 carbon atoms and may have ether bond; R is the same or different and each is H or an alkyl group having 1 to 10 carbon atoms; n is 0 or an integer of from 1 to 5; m is an integer of from 1 to 5; $n1$ is an integer of from 1 to 5; $m + n1 = 6$.

11. (original): A norbornene derivative having a fluorine-containing alcohol structure represented by the formula (10):

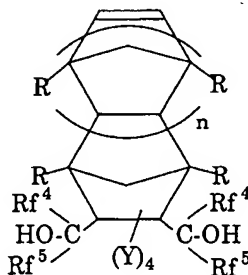


wherein Rf⁴ and Rf⁵ are the same or different and each is a fluorine-containing alkyl group having 1 to 10 carbon atoms or a fluorine-containing alkyl group which has 1 to 10 carbon atoms and ether bond; Y is the same or different and each is H, F, Cl, an alkyl group having 1 to 10 carbon atoms or a fluorine-containing alkyl group which has 1 to 10 carbon atoms and may have ether bond; R is the same or different and each is H or an alkyl group having 1 to 10 carbon atoms; n is 0 or an integer of from 1 to 5.

12. (original): The norbornene derivative having a fluorine-containing alcohol structure of Claim 10, wherein in the formula (9), at least one of the substituents Y is F or a fluorine-containing alkyl group which has 1 to 10 carbon atoms and may have ether bond.

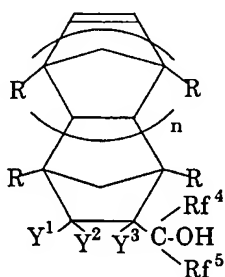
13. (original): The norbornene derivative having a fluorine-containing alcohol structure of Claim 11, wherein in the formula (10), at least one of the substituents Y is F or a fluorine-containing alkyl group which has 1 to 10 carbon atoms and may have ether bond.

14. (original): A norbornene derivative having a fluorine-containing alcohol structure represented by the formula (11):



wherein Rf⁴ and Rf⁵ are the same or different and each is a fluorine-containing alkyl group having 1 to 10 carbon atoms or a fluorine-containing alkyl group which has 1 to 10 carbon atoms and ether bond; Y is the same or different and each is H, F, Cl, an alkyl group having 1 to 10 carbon atoms or a fluorine-containing alkyl group which has 1 to 10 carbon atoms and may have ether bond; R is the same or different and each is H or an alkyl group having 1 to 10 carbon atoms; n is 0 or an integer of from 1 to 5.

15. (original): A norbornene derivative having a fluorine-containing alcohol structure represented by the formula (12):



wherein Rf⁴ and Rf⁵ are the same or different and each is a fluorine-containing alkyl group having 1 to 10 carbon atoms or a fluorine-containing alkyl group which has 1 to 10 carbon atoms and ether bond; Y¹, Y² and Y³ are the same or different and each is H, F, Cl, an alkyl group having 1 to 10 carbon atoms or a fluorine-containing alkyl group which has 1 to 10 carbon atoms

and may have ether bond; R is the same or different and each is H or an alkyl group having 1 to 10 carbon atoms; n is 0 or an integer of from 1 to 5; at least one of Y^1 , Y^2 and Y^3 is F or a fluorine-containing alkyl group which has 1 to 10 carbon atoms and may have ether bond.

16. (original): The norbornene derivative having a fluorine-containing alcohol structure of Claim 15, wherein in the formula (12), Y^1 and Y^2 are H and Y^3 is F or CF_3 .

17. (original): The norbornene derivative having a fluorine-containing alcohol structure of Claim 15, wherein in the formula (12), Y^1 and Y^2 are F and Y^3 is F or CF_3 .

18. (original): The norbornene derivative having a fluorine-containing alcohol structure of Claim 9, wherein Rf^4 and Rf^5 are CF_3 .

19. (original): The norbornene derivative having a fluorine-containing alcohol structure of Claim 10, wherein Rf^4 and Rf^5 are CF_3 .

20. (original): The norbornene derivative having a fluorine-containing alcohol structure of Claim 11, wherein Rf^4 and Rf^5 are CF_3 .

21. (original): The norbornene derivative having a fluorine-containing alcohol structure of Claim 14, wherein Rf^4 and Rf^5 are CF_3 .

22. (original): The norbornene derivative having a fluorine-containing alcohol structure of Claim 15, wherein Rf^4 and Rf^5 are CF_3 .

23. (original): The norbornene derivative having a fluorine-containing alcohol structure of Claim 9 which has a protective acid-reactive functional group $-OQ^1$ protecting hydroxyl.

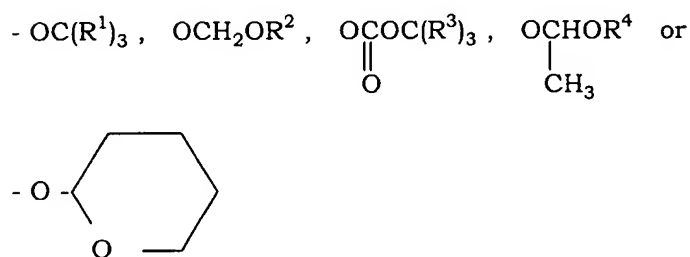
24. (original): The norbornene derivative having a fluorine-containing alcohol structure of Claim 10 which has a protective acid-reactive functional group $-OQ^1$ protecting hydroxyl.

25. (original): The norbornene derivative having a fluorine-containing alcohol structure of Claim 11 which has a protective acid-reactive functional group $-OQ^1$ protecting hydroxyl.

26. (original): The norbornene derivative having a fluorine-containing alcohol structure of Claim 14 which has a protective acid-reactive functional group $-OQ^1$ protecting hydroxyl.

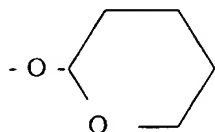
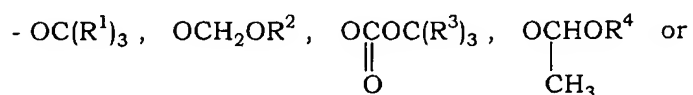
27. (original): The norbornene derivative having a fluorine-containing alcohol structure of Claim 15 which has a protective acid-reactive functional group $-OQ^1$ protecting hydroxyl.

28. (original): The norbornene derivative of Claim 23, wherein the protective acid-reactive functional group $-OQ^1$ is at least one selected from the group consisting of:



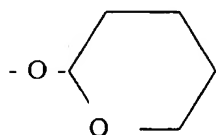
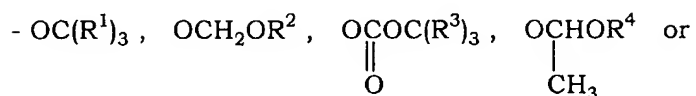
wherein R^1 , R^2 , R^3 and R^4 are alkyl groups having 1 to 5 carbon atoms.

29. (original): The norbornene derivative of Claim 24, wherein the protective acid-reactive functional group $-OQ^1$ is at least one selected from the group consisting of:



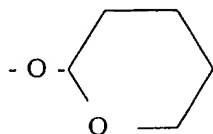
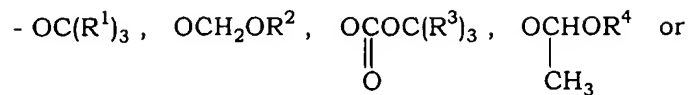
wherein R^1 , R^2 , R^3 and R^4 are alkyl groups having 1 to 5 carbon atoms.

30. (original): The norbornene derivative of Claim 25, wherein the protective acid-reactive functional group $-OQ^1$ is at least one selected from the group consisting of:



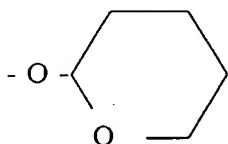
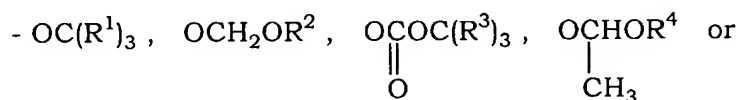
wherein R^1 , R^2 , R^3 and R^4 are alkyl groups having 1 to 5 carbon atoms.

31. (original): The norbornene derivative of Claim 26, wherein the protective acid-reactive functional group $-OQ^1$ is at least one selected from the group consisting of:



wherein R^1 , R^2 , R^3 and R^4 are alkyl groups having 1 to 5 carbon atoms.

32. (original): The norbornene derivative of Claim 27, wherein the protective acid-reactive functional group $-OQ^1$ is at least one selected from the group consisting of:



wherein R^1 , R^2 , R^3 and R^4 are alkyl groups having 1 to 5 carbon atoms.

33.-62. (canceled).